

**FORM**  
**6**  
Rev  
11/20

**State of Colorado**  
**Energy & Carbon Management Commission**



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1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109

**Replug By Other Operator**

Document Number:

404500057

Date Received:

01/08/2026

**WELL ABANDONMENT REPORT**

This form is to be submitted as an Intent to Abandon whenever an abandonment is planned on a borehole. After the abandonment is complete, this form shall again be submitted as a Subsequent Report of the actual work completed. The approved intent shall be valid for six months after the approval date, after that period, a new intent will be required. Attachments required with the Intent to Abandon are wellbore diagrams of the current configuration and the proposed configuration with plugs set. A Subsequent Report of Abandonment shall indicate the actual work completed. Attachments required with a Subsequent Report are a wellbore diagram showing plugs that were set and casing remaining in the hole, the job summaries from all plugging contractors used, including wireline and cementing (third party verification) and any logs that may have been run during abandonment.

ECMC Operator Number: 10814 Contact Name: Richard Saadeh  
 Name of Operator: MDS ENERGY DEVELOPMENT LLC Phone: (817) 718-0175  
 Address: 409 BUTLER RD SUITE A Fax: \_\_\_\_\_  
 City: KITTANNING State: PA Zip: 16201 Email: richard.saadeh@mdsed.com

**For "Intent" 24 hour notice required,** Name: Petrie, Erica Tel: (303) 726-3822  
 Email: erica.petrie@state.co.us  
**ECMC contact:** \_\_\_\_\_

Type of Well Abandonment Report:  Notice of Intent to Abandon  Subsequent Report of Abandonment

API Number 05-123-05501-00  
 Well Name: O CASTOR B Well Number: 1  
 Location: QtrQtr: SESW Section: 27 Township: 8N Range: 59W Meridian: 6  
 County: WELD Federal, Indian or State Lease Number: \_\_\_\_\_  
 Field Name: BUCKINGHAM Field Number: 7570

*Only Complete the Following Background Information for Intent to Abandon*

Latitude: 40.628428 Longitude: -103.964596  
 GPS Data: GPS Quality Value: 1.3 Type of GPS Quality Value: PDOP Date of Measurement: 12/31/2025

Reason for Abandonment:  Dry  Production Sub-economic  Mechanical Problems

Other Re-entry P&A offset to upcoming HZ development

Casing to be pulled:  Yes  No Estimated Depth: \_\_\_\_\_

Fish in Hole:  Yes  No If yes, explain details below

Wellbore has Uncemented Casing leaks:  Yes  No If yes, explain details below

Details: \_\_\_\_\_

**Current and Previously Abandoned Zones**

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth
MUDDY	6714	6729	03/06/1957	SAND PLUG/CEMENT	6630

Total: 1 zone(s)

**Casing History**

Casing Type	Size of Hole	Size of Casing	Grade	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Btm	Cmt Top	Status
SURF	12+1/4	8+5/8	J55	28	0	342	200	342	0	VISU
1ST	7+7/8	5+1/2	J55	14	4566	6810	100	6819	6233	CALC
OPEN HOLE	7+7/8				342	4566				

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth \_\_\_\_\_ with \_\_\_\_\_ sacks cmt on top. CIBP #2: Depth \_\_\_\_\_ with \_\_\_\_\_ sacks cmt on top.  
CIBP #3: Depth \_\_\_\_\_ with \_\_\_\_\_ sacks cmt on top. CIBP #4: Depth \_\_\_\_\_ with \_\_\_\_\_ sacks cmt on top.  
CIBP #5: Depth \_\_\_\_\_ with \_\_\_\_\_ sacks cmt on top.

NOTE: Two(2) sacks cement required on all CIBPs.

Set 80 sks cmt from 4566 ft. to 4366 ft. Plug Type: OPEN HOLE Plug Tagged:   
Set 80 sks cmt from 2500 ft. to 2300 ft. Plug Type: OPEN HOLE Plug Tagged:   
Set 80 sks cmt from 1575 ft. to 1375 ft. Plug Type: OPEN HOLE Plug Tagged:   
Set \_\_\_\_\_ sks cmt from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Plug Type: \_\_\_\_\_ Plug Tagged:   
Set \_\_\_\_\_ sks cmt from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Plug Type: \_\_\_\_\_ Plug Tagged:

Perforate and squeeze at \_\_\_\_\_ ft. with \_\_\_\_\_ sacks. Leave at least 100 ft. in casing \_\_\_\_\_ CICR Depth  
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Perforate and squeeze at \_\_\_\_\_ ft. with \_\_\_\_\_ sacks. Leave at least 100 ft. in casing \_\_\_\_\_ CICR Depth  
Perforate and squeeze at \_\_\_\_\_ ft. with \_\_\_\_\_ sacks. Leave at least 100 ft. in casing \_\_\_\_\_ CICR Depth

(Cast Iron Cement Retainer Depth)

Set 188 sacks half in. half out surface casing from 525 ft. to 0 ft. Plug Tagged:   
Set \_\_\_\_\_ sacks at surface  
Cut four feet below ground level, weld on plate Above Ground Dry-Hole Marker:  Yes  No  
Set \_\_\_\_\_ sacks in rat hole Set \_\_\_\_\_ sacks in mouse hole

### Additional Plugging Information for Subsequent Report Only

Casing Recovered: \_\_\_\_\_ ft. of \_\_\_\_\_ inch casing  
Surface Plug Setting Date: \_\_\_\_\_ Cut and Cap Date: \_\_\_\_\_ Number of Days from Setting Surface Plug to Capping or Sealing the Well: \_\_\_\_\_

\*Wireline Contractor: \_\_\_\_\_ \*Cementing Contractor: \_\_\_\_\_

Type of Cement and Additives Used: \_\_\_\_\_

Flowline/Pipeline has been abandoned per Rule 1105  Yes  No

Technical Detail/Comments:

\*Will tag and record depth of production casing stub prior to cementing

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: \_\_\_\_\_ Print Name: Taylor Heffner  
Title: MDS Energy Contractor Date: 1/8/2026 Email: theffner@carbon-shield.com

Based on the information provided herein, this Well Abandonment Report (Form 6) complies with ECMC Rules and applicable orders and is hereby approved.

ECMC Approved: Wolfe, Stephen Date: 2/6/2026

**CONDITIONS OF APPROVAL, IF ANY LIST**

Expiration Date: 8/5/2026

COA Type	Description
	Operator shall implement measures to control venting, to protect health and safety, and to ensure that vapors and odors from well plugging operations do not constitute a nuisance or hazard to public welfare.
	<p>Plugging</p> <p>1) Two(2) electronic notifications required,  • File a Form 42(MIRU) Notice of MIRU 2 business days ahead of operations,  • File a Form 42(PA) Notice of Plugging Operations 48 hours prior to mobilizing for plugging operations.</p> <p>2) Plugs and squeezes will be placed as stated in the Plugging Procedure section of the approved NOIA unless revised by COA or prior approval from ECMC is obtained.</p> <p>3) The wellbore must be static prior to placing cement plugs which are to be a minimum of 100' in length for all but surface plugs. Mechanical isolation requires a 25' cement plug (minimum) on top. For plugs not specified to be tagged, a tag is required if circulation is not maintained while pumping plug and displacing to depth. Wait on cement(WOC) a minimum of 4 hrs before tagging a plug. Tag at tops specified. Notify ECMC Area Engineer of a high(shallow) tag or before adding cement to a previous plug due to a low(deep) cement top.</p> <p>4) Place a 50' cement plug (minimum) at the surface, both inside the inner most casing and in all annular spaces. Surface plugs shall be circulated to surface. Confirm cement to surface and complete isolation in all strings during cut and cap. After cut and prior to cap, verify isolation by either a 15 minute bubble test or 15 minute optical gas imaging observation. If there is any indication of flow contact ECMC Engineering before proceeding. Provide a statement on the 6 SRA as to which method was used and what was observed. Retain records of final isolation test for 5 years.</p> <p>5) With the Form 6 SRA operator must provide written documentation which positively affirms each COA has been addressed.</p> <p>6) Operator must wait a sufficient time on all plugs to achieve the intended design. If at any time during the plugging there is evidence of previously unreported pressure or fluid migration, contact ECMC Area Engineer before continuing operations.</p> <p>7) Plugging procedure has been approved as follows,  6630' - Sand plug to remain.</p> <p>Plug #1 - 4566-4366', tag existing casing stub and pump an 80 sx stub plug, WOC and tag,</p> <p>Plug #2 - 2500-2300', pump an 80 sx open hole plug, see COA #3 for tag,</p> <p>All pressure and fluid migration on this well must be eliminated prior to pumping the next plug,</p> <p>Plug #3 - 1575-1375', pump an 80 sx open hole plug, WOC and tag,</p> <p>Plug #4 - 525-0', pump a 188 sx open hole plug and circulate to the surface, WOC and tag at 134' or shallower,</p> <p>Plug #5 - 50' of cement at the surface in the casing per COA #4.</p>
	Due to proximity to a mapped wetland and/or surface water, operator will use secondary containment for all tanks and other liquid containers. Operator will implement stormwater BMPs and erosion control measures as needed to prevent sediment and stormwater runoff from entering the wetland and surface water.
3 COAs	

**ATTACHMENT LIST**

<b>Att Doc Num</b>	<b>Name</b>
404500057	FORM 6 INTENT SUBMITTED
404500072	SURFACE OWNER CONSENT
404500073	WELLBORE DIAGRAM
404500074	WELLBORE DIAGRAM
404500075	LOCATION PHOTO

Total Attach: 5 Files

**General Comments**

<b>User Group</b>	<b>Comment</b>	<b>Comment Date</b>
Engineer	Groundwater - Laramie-Fox Hills, Upper Pierre Deepest water well- 1525'(GR=4945) 3420' MSL, 475'(GR=4880) 4405' MSL, 320'(1mi, 21 records) Log - 123-10204 GR=4940 L-FH 230-440', UP 830-1490'	02/06/2026
Permit	Confirmed as-drilled well location. Production reporting OK. No other forms in process. Reviewed attachments. confirmed perf interval docnum: 218395. Pass.	02/05/2026

Total: 2 comment(s)